



Common Badging and Access Control System (CBACS)

Marshall Space Flight Center



August, 9 2005
Government Smart Card
Inter-Agency Advisory Board

Explore.
Discover.
Understand.



CBACS – Initial Scope – Smart Cards



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- **MISSION: (2002/2003)**
 - The Implementation of a multi-application, multi-technology smart card program with an Agencywide user base
- **VISION:**
 - To issue a common credential token (*physical and logical identifier*) that is....
 - Used by NASA employees, contractors, and other people approved by NASA....
 - Who require routine access to NASA physical and information resources.
 - An inter-agency Federal Identity Credential conforming with emerging federal policy and technical interoperability

During Site Surveys, issues were determined on several fronts: diversity of existing PACS, need for common processes, difficulties in logical roll-out, and flexibility/ease of use of system

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CBACS – Project Re-Direction



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- **Goals: (2004)**
 - Achieve High Business Value Through a Common Badging and Access Control System That Integrates with Smart Cards
 - Provide Physical (versus Logical) Deployment of Smart Cards Initially
 - Provides a Common Consistent and Reliable Environment Into Which to Release the Smart Card
 - Gives Opportunity to Develop Agencywide Consistent Processes, Practices and Policies
 - Enables Enterprise Data Capture and Management
 - Promotes Data Validation Prior to SC Issuance
 - Avoids Further Investment in Current PACS Systems

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CBACS - Description

An **Integrated** Services and IT Security Environment That Fulfills NASA and Homeland Security Presidential Directive (HSPD-12) Requirements for:

■ **NASA Identity Management System – IDMS**

- Central Authoritative Source for Personnel Identification
- Warehouse for Personnel Security Investigation Determinations
- Warehouse for Clearance Issuance & Uniform Universal Person Identification Code (UUPIC)

■ **Enterprise Physical Access Control System – E-PACS**

- Software for Common Badging Application
- Area Access Management
- Visitor Management System (Optional)
- Alarm Monitoring Application
- Integrated Digital Video Recording and Archiving System

■ **Smart Card Physical Access – SC**

- Hybrid Smart Card
- Utilized with E-PACS for Physical Access
- Provide Logical Access to NASA Computerized Systems During Final Phase of Implementation

■ **Central Card Management System – CCMS**

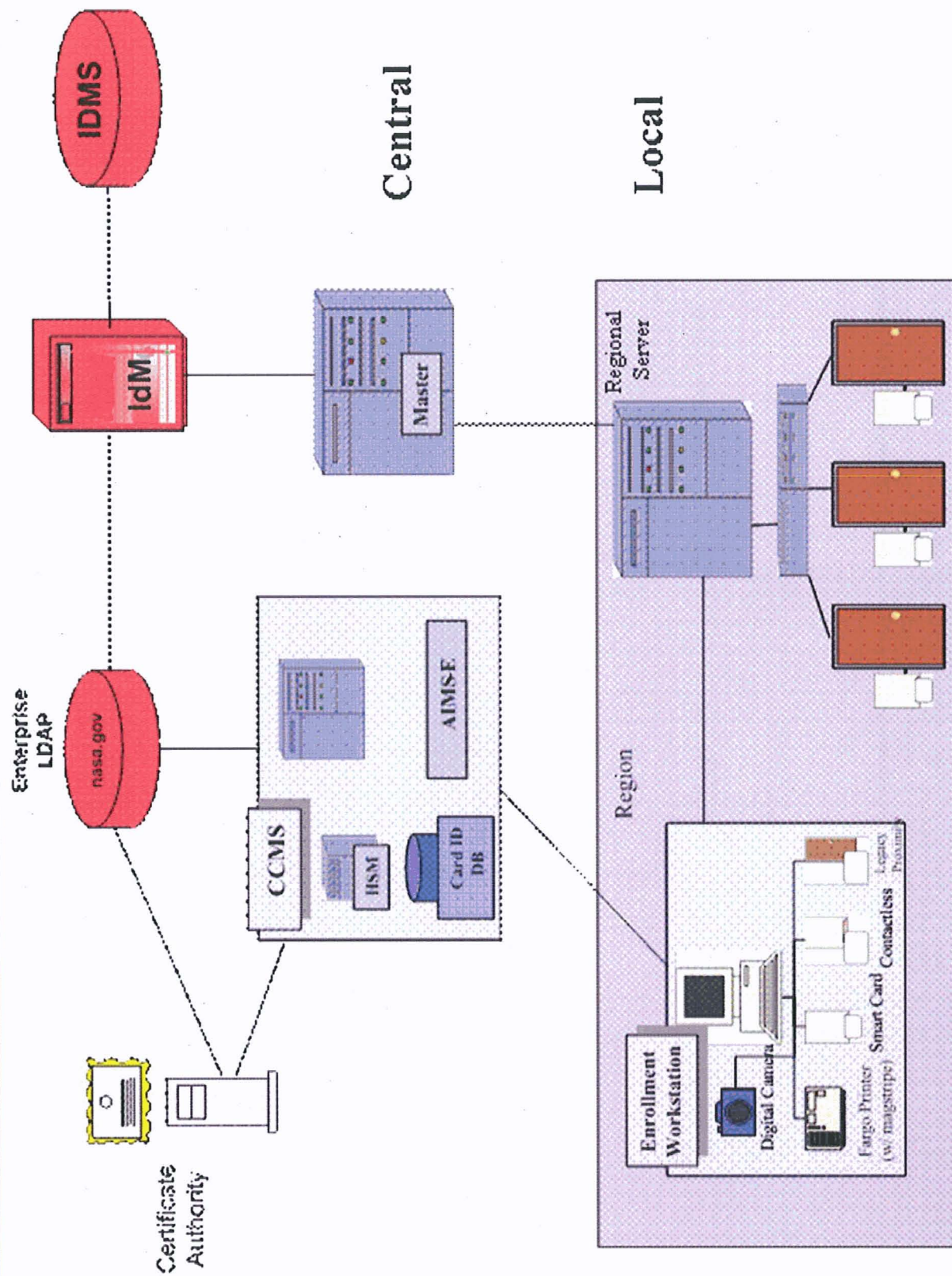
- Contact and Contact-less Smart Card Encoding
- Provides Logical Certificates to the Smart Card from the NASA CA
- Smart Card Life Cycle Management



CBACS - Conceptual Drawing



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CBACS - System Life Cycle



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	IDMS	E-PACS	Smart Card	CCMS
Initiation	Complete	Complete	Complete	Complete
Development and Acquisition	Complete	Ongoing	Ongoing	Ongoing
Implementation	Ongoing	Ongoing	Lab	Lab
Operations and Maintenance	None	None	None	None
Disposal	None	None	None	None

NIST 800-18 Phasing Model View

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CBACS - Planning Approach



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OMB Circular A-11 – Business Plan	Complies	
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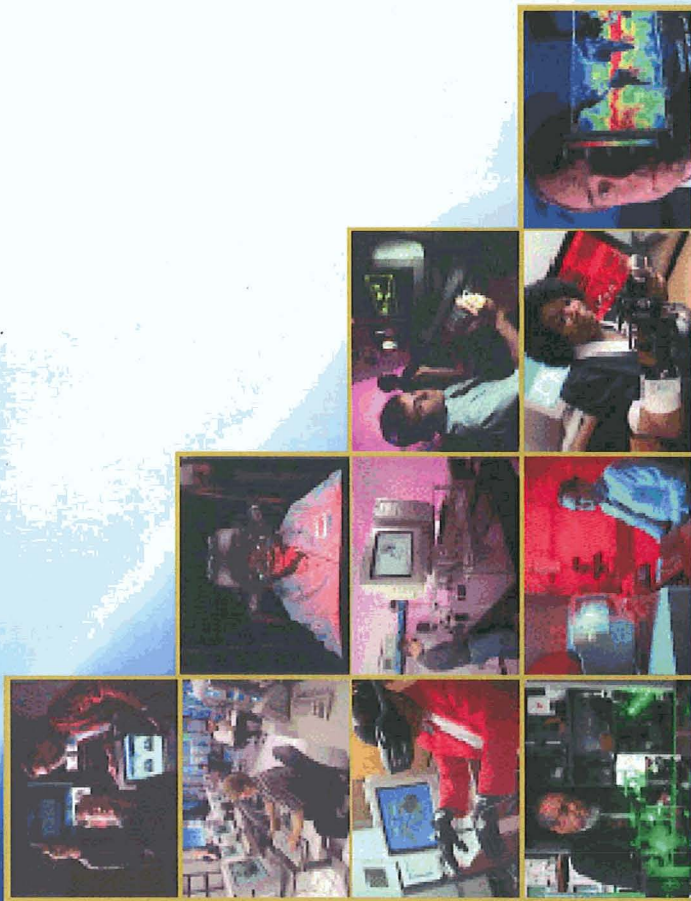
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CBACS – Project Re-Direction



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GSC-IAB 8/10/2005
IS05: Tim Baldrige
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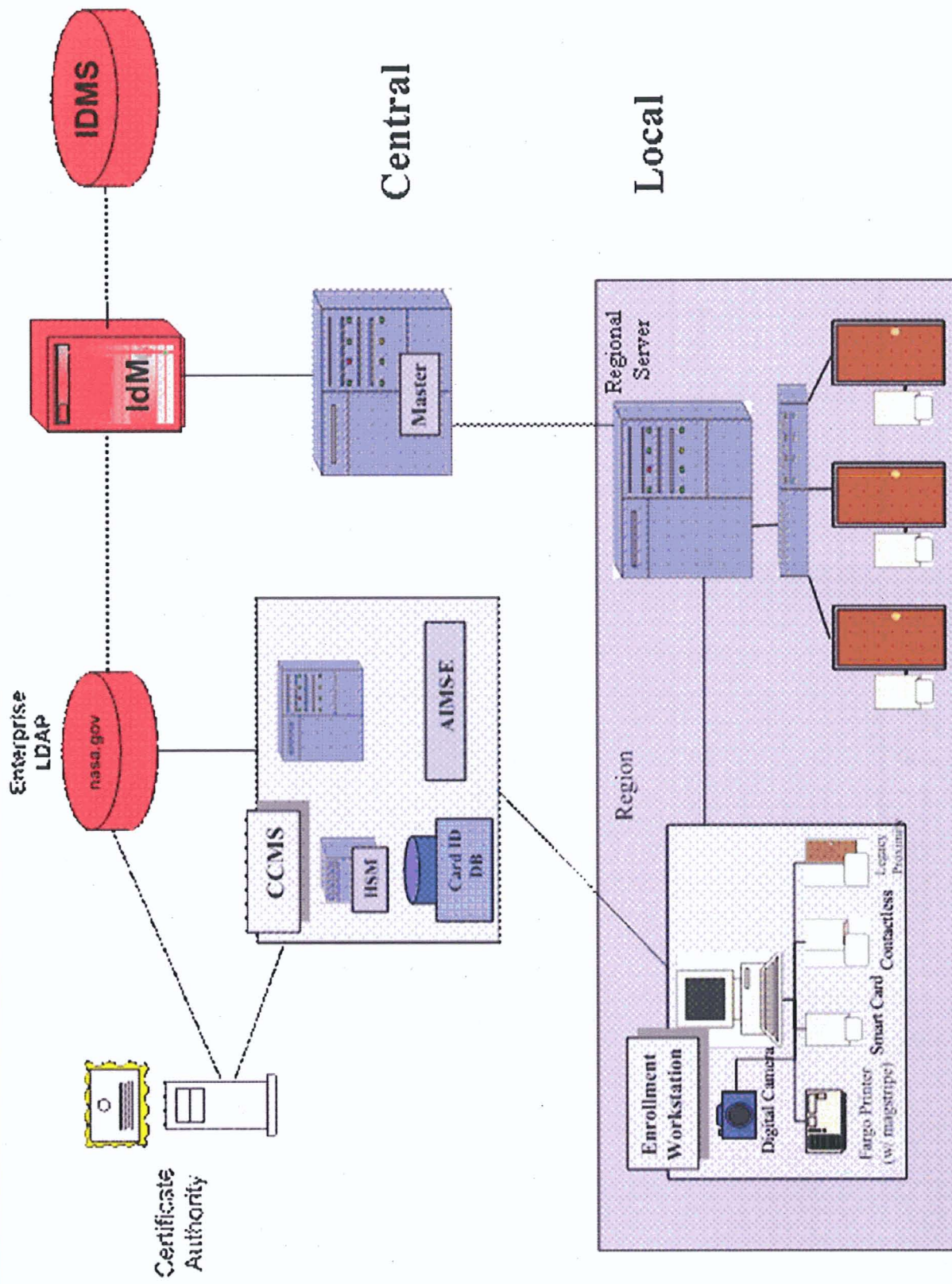
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CBACS - Conceptual Drawing



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CBACS - System Life Cycle



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NIST 800-18 Phasing Model View

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CBACS - Planning Approach



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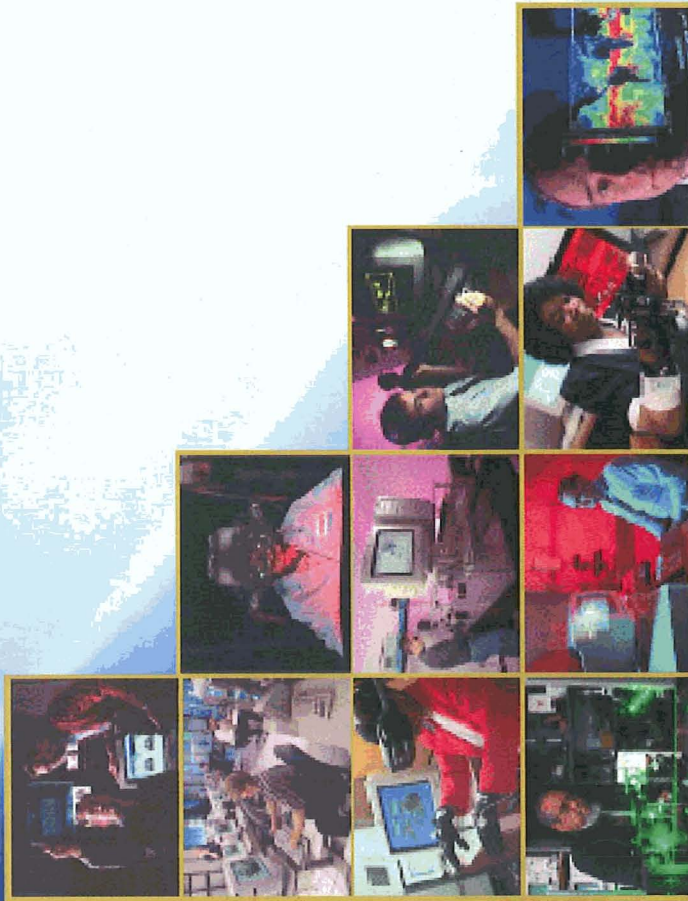
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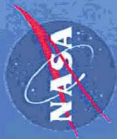


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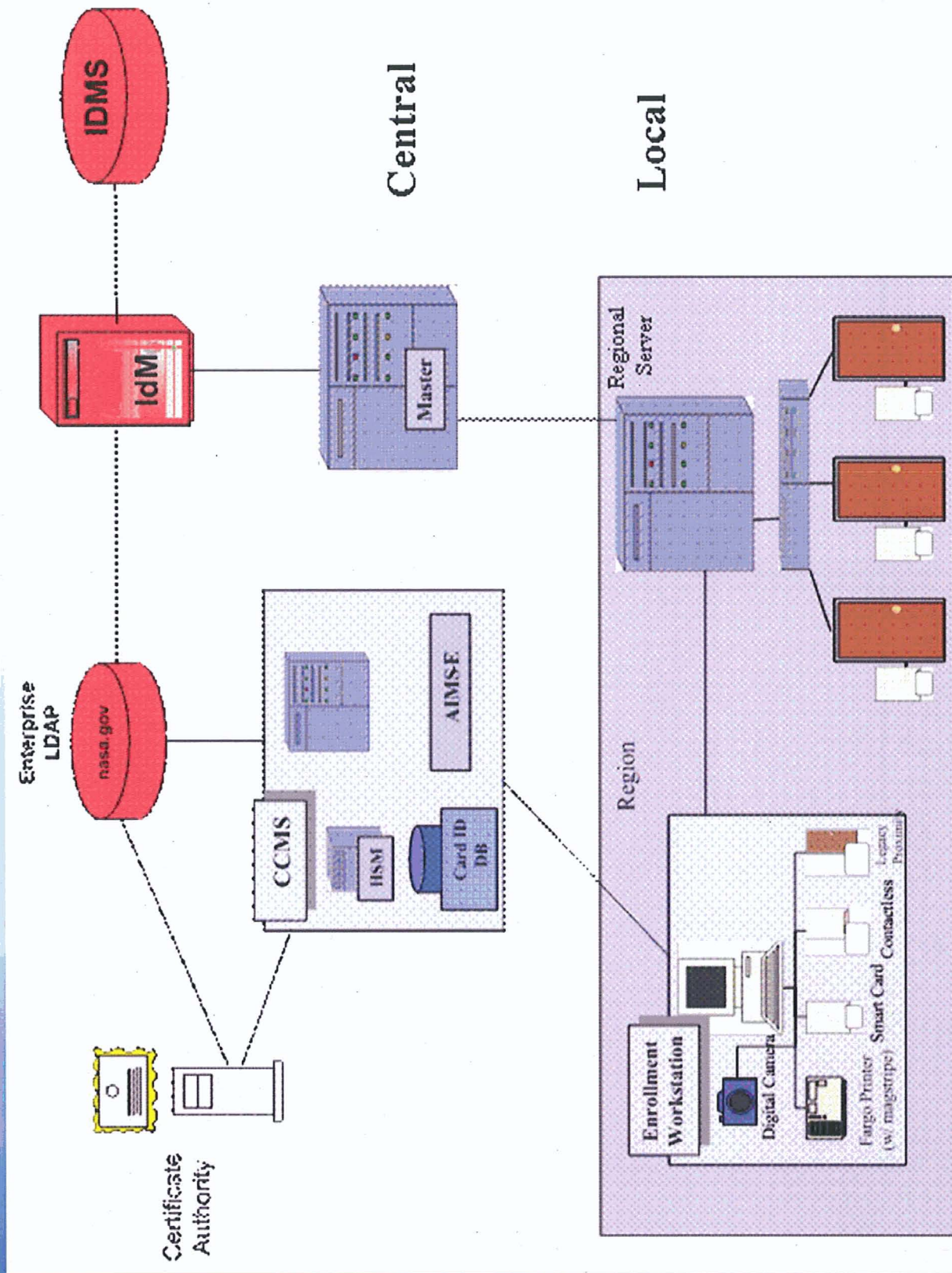
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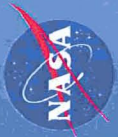
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